ABSTRACT OF THE DISCLOSURE

A digital image processing method for automatic axial rotation correction for in vivo images, comprising selecting, as a reference image, a first arbitrary in vivo image from a plurality of in vivo images, and subsequently,

5   finding a rotation angle between a second arbitrary in vivo image selected from the plurality of in vivo images and the reference image. The method next corrects the orientation of the second arbitrary in vivo image, with respect to orientation of the reference image and corresponding to the rotation angle, before finding the rotation angle between other selected in vivo images and the reference image.

10   Additionally, the method corrects for the other selected in vivo images that do not match the reference image's orientation and where there exists a rotation angle between the other selected in vivo images and the reference image.